

(19) World Intellectual Property  
Organization  
International Bureau



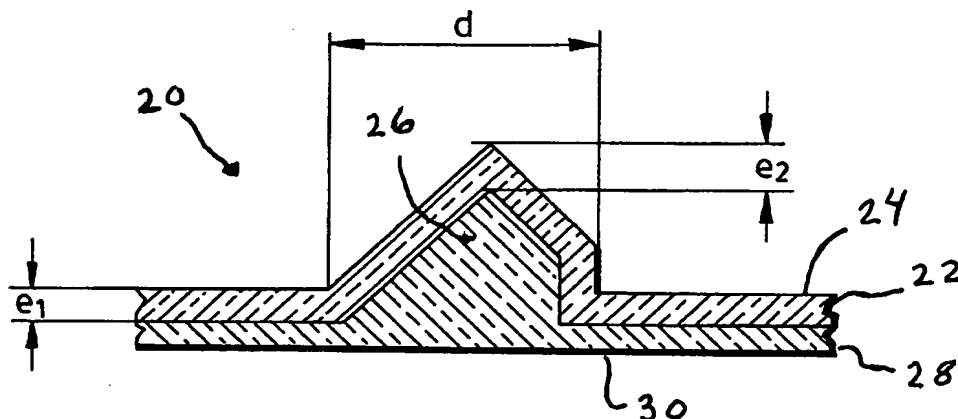
(43) International Publication Date  
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number  
**WO 2005/077636 A1**

- (51) International Patent Classification<sup>7</sup>: **B29C 45/00**,  
B29D 11/00, G02B 5/124, B60Q 1/30
- (21) International Application Number:  
PCT/CA2005/000179
- (22) International Filing Date: 11 February 2005 (11.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
2,457,266 11 February 2004 (11.02.2004) CA
- (71) Applicant (for all designated States except US): **DBM REFLEX ENTERPRISES INC.** [CA/CA]; 1620 Dagenais Boulevard West, Laval, Quebec H7L 5C7 (CA).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **IATAN, George** [CA/CA]; 7 Simard Boulevard, Appt. #102, Saint-Lambert, Quebec J4S 1Y4 (CA).
- (74) Agent: **ROBIC**; Centre CDP Capital, 1001 Victoria Square - Bloc E - 8<sup>th</sup> Floor, Montréal, Québec H2Z 2B7 (CA).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INJECTION MOLDING PROCESS FOR FORMING A RETROREFLECTOR



(57) Abstract: An injection process for forming a retroreflector on a matrix mold having a plurality of prisms that each define a cavity. The process includes the steps of a) injecting a first layer of plastic on the matrix mold for partially filling up each prism up to a predetermined uniform thickness so as to define a recessed portion corresponding with each cavity of the prisms; and b) injecting a second layer of plastic onto the first layer, the second layer filling up the recessed portion defined in each cavity of the prisms so that second layer defines a flat portion on an exterior side of the second layer.